

2018 Corn Grain Top 30 Harvest Report

Illinois West Central [ILWC] WILLIAMSVILLE
Bruce & Nick Constant, Sangamon County, IL 62693



PREV. CROP/HERB: Soybean / Sonic, Roundup
SOIL DESCRIPTION: Osco silt loam, mod. well drained, non-irrigated
SOIL CONDITION: Minimum w/o fall till, very high P, very high K, 6.8 pH, 2.8% OM, 12.8 CEC
PEST MANAGEMENT: Resicore, Resicore, Roundup, Brandt Smart Trio Micro, Quilt Xcel, Brandt B Moly
FERTILITY - Applied N: 174 Fall
Applied N-P-K (units): 174-87-110
SEEDING - RATE - ROW: Apr 26 37,500 /A 30" spacing
HARVESTED - STAND: Sep 18 35,700 /A

Early-Season Test

105 - 110 Day CRM
B2018ILWC29a

Top 30 of 45

For Gross Income (Sorted by Yield)
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyffels	W5626	VT2P	108	291.2	16.9	4	35.7	1,075	1
NuTech/G2 Gen	5FN-8808	OI	108	282.5	16.5	3	34.0	1,047	2
Lewis	10DP719	VT2P,B	110	281.7	17.5	3	36.6	1,035	4
FS InVISION	FS 60UX1 RIB	STX,B	110	281.6	17.7	1	34.8	1,033	5
Golden Harvest	G09A86-3000GT	3000GT	109	280.6	16.9	2	35.7	1,036	3
Lewis	10DP747	VT2P,B	110	278.2	18.2	1	35.7	1,017	7
Hefty	H5922VT2P	VT2P	109	277.5	16.6	2	35.7	1,027	6
Lewis	R1511SS	STX,B	111	277.2	17.8	1	36.6	1,016	8
Great Heart	HT-7026SSRIB	STX,B	110	274.2	18.3	1	34.8	1,001	11
FS InVISION	FS 59VL1 EZR	3220,B	109	273.8	17.0	1	34.0	1,010	9
Dekalb	DKC60-87RIB GC	STX,B	110	273.4	18.0	2	34.8	1,001	12
Renk	RK763VT2P	VT2P,B	108	271.3	16.2	1	36.6	1,008	10
Golden Harvest	G08M20-3010	3010	108	269.2	16.4	1	34.0	998	15
Hefty	H5524SS	STX	105	268.4	15.8	1	36.6	1,000	13
Pfister	69H1PE	PC,E	109	268.3	17.2	1	34.8	988	16
NK Brand	NK0821-3120A-EZR	3120,A,B	108	267.2	16.8	4	35.7	988	17
NuTech/G2 Gen	5F-308	AM,B	108	266.0	17.9	1	35.7	974	25
Pfister	68A1PE	PC,E	108	265.6	17.2	3	36.6	978	23
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	265.5	16.9	1	34.8	980	19
FS InVISION	FS 60LX1 RIB	STX,B	110	265.4	17.3	2	34.0	977	24
Pioneer	P0825AMXT GC	AMXT,B	108	265.3	16.9	5	37.5	980	20
Great Heart	HT-6901SSRIB	STX,B	109	265.3	17.6	1	36.6	974	26
Pfister	66Y3PE	PC,E	106	265.0	15.7	1	34.0	988	18
Stone	5858RIB	STX,B	108	264.0	16.4	1	36.6	979	21
Hefty	H6024SS	STX,B	110	264.0	16.4	1	35.7	979	22
Golden Harvest	G10T63-3122-EZR	3122,B	110	260.8	18.5	2	36.6	951	31
Wyffels	W6408	STX	110	259.6	17.8	1	34.0	952	30
ProHarvest	6828StaxRIB	STX,B	107	258.5	15.4	1	37.5	966	27
Wyffels	W4196RIB	VT2P,B	105	258.1	15.2	2	34.0	966	28
Lewis	08SS739	STX,B	108	257.9	16.5	2	35.7	956	29
Pioneer	P1197AMXT CK	AMXT,B	111	270.8	17.0	2	35.7	999	14

Jason Beyers

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Averages = **263.3** **16.9** **2** **35.7** **972**

LSD (0.10) = 14.8 0.6 2

LSD (0.25) = 7.7 0.3 1

C.V. = 5.3 Prev. years average yield, 207.8 bu/a, 9 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.75; non-GMO = \$3.75

Test Comments: *Planting conditions were good as well as emergence. Plot was uniform almost all year. Went through a short dry spell in June which helped plants root down. Nick stated, "I think the corn ran out of nitrogen later in the season." Stalk quality and plant health was still good at harvest and grain was drying down nicely. There were very few diseases that appeared to be hurting these corn products.*

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

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 PEST MANAGEMENT: Resicore, Resicore, Roundup, Brandt Smart Trio Micro, Quilt Xcel, Brandt B Moly
 FERTILITY - Applied N: 174 Fall
 Applied N-P-K (units): 174-87-110
 SEEDING - RATE - ROW: Apr 26 37,500 /A 30" spacing
 HARVESTED - STAND: Sep 18 36,200 /A

Full-Season Test
111 - 115 Day CRM
 B2018ILWC29b

Top 30 of 54
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS InVISION	FS 63ZX1 RIB	STX,B	113	296.9	20.3	1	37.5	1,066	1
Stone	6628RIB	STX,B	116	293.1	20.8	2	36.6	1,048	2
Dekalb	DKC64-34RIB GC	STX,B	114	288.0	20.0	1	35.7	1,037	3
Renk	RK945DGV2P	VT2P,DG	115	286.7	20.9	1	37.5	1,024	4
Wyffels	W7888RIB	STX,B	114	283.4	19.9	1	36.6	1,021	6
FS InVISION	FS 62ZX1 RIB	STX,B	112	280.7	18.9	2	35.7	1,020	7
Lewis	15SS899	STX,B	115	279.8	20.5	1	34.8	1,003	11
Lewis	14SS857	STX,B	114	278.8	18.9	1	35.7	1,013	8
ProHarvest	8147StaxRIB	STX,B	111	277.6	17.2	2	35.7	1,023	5
Hefty	H6223	VT2P,DG	112	276.2	17.9	1	35.7	1,012	9
Pfister	74D2PE	PC,E	114	275.8	18.9	2	34.8	1,002	12
LG Seeds	LG5606STXRIB	STX,B	111	275.2	18.3	4	36.6	1,005	10
Dyna-Gro	D54VC52	VT2P	114	274.9	20.9	1	35.7	982	19
Dekalb	DKC64-87RIB GC	STX,B	114	274.4	19.0	1	37.5	996	13
Stone	6368RIB	STX,B	113	272.8	19.8	3	37.5	984	16
Lewis	R1414SS	STX,B	114	272.3	19.6	1	37.5	984	17
ProHarvest	8324VT2PRIB	VT2P,B	113	271.2	18.8	2	35.7	986	15
Stone	6468RIB	STX,B	114	271.0	18.1	2	35.7	991	14
NK Brand	NK1573-3110	3110	115	271.0	20.5	4	36.6	972	23
Hefty	H6214SSRIB	STX,B	112	268.9	19.5	1	32.2	972	24
LG Seeds	LG5650STXRIB	STX,B	115	268.9	20.3	1	37.5	966	28
Golden Harvest	G13Z50-3110	3110	113	268.8	18.5	1	34.8	980	20
Hefty	HCEXP11322	VT2P	112	268.3	18.8	1	35.7	976	22
Great Heart	HT-7244VT2PRIB	VT2P,B	112	268.1	19.3	1	37.5	971	25
Renk	RK937SSTX	STX	113	267.8	17.6	2	36.6	983	18
Dyna-Gro	D52SS63	STX	112	267.1	18.9	2	38.4	970	26
Stone	6188RIB	STX,B	111	266.9	19.3	1	37.5	966	29
LG Seeds	LG5643VT2RIB	VT2P,B	114	265.2	18.3	4	35.7	968	27
LG Seeds	LG62C02VT2PRO	VT2P	112	263.5	18.4	3	35.7	961	30
Wyffels	W6956	VT2P	111	263.0	18.2	2	38.4	961	31
Pioneer	P1197AMXT CK	AMXT,B	111	267.3	17.8	2	36.6	980	21

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Averages =	266.1	19.3	2	36.2	964
LSD (0.10) =	15.6	0.7	ns		
LSD (0.25) =	8.2	0.4	ns		
C.V. =	5.6	Prev. years average yield, 207.8 bu/a, 9 yrs			

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.75; non-GMO = \$3.75

Test Comments: *Planting conditions were good as well as emergence. Plot was uniform almost all year. Went through a short dry spell in June which helped plants root down. Nick stated, "I think the corn ran out of nitrogen later in the season." Stalk quality and plant health was still good at harvest and grain was drying down nicely. There were very few diseases that appeared to be hurting these corn products.*

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Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dekalb	DKC60-87RIB GC	STX,B	AC,P5V	110					
Dyna-Gro	D49SS70	STX	AC,P5V	109					
FS InVISION	FS 57ZX1 RIB	STX,B	AC,P5V	107					
FS InVISION	FS 59VL1 EZR	3220,B	CM,C2,Vi	109					
FS InVISION	FS 60LX1 RIB	STX,B	AC,P5V	110					
FS InVISION	FS 60UX1 RIB	STX,B	AC,P5V	110					
Golden Harvest	G08D29-3120A-EZR	3120,A,B	AVC,C5,Vi	108					
Golden Harvest	G08M20-3010	3010	AVC,C5,Vi	108					
Golden Harvest	G09A86-3000GT	3000GT	AVC,C5,Vi	109					
Golden Harvest	G10T63-3122-EZR	3122,B	AVC,C5,Vi	110					
Great Heart	HT-6901SSRIB	STX,B	AC,P5V	109					
Great Heart	HT-7026SSRIB	STX,B	AC,P5V	110					
Hefty	H5524SS	STX	HC	105					
Hefty	H5624SS	STX	HC	106					
Hefty	H5922VT2P	VT2P	HC	109					
Hefty	H6024SS	STX,B	HC	110					
Lewis	08SS739	STX,B	AC,P5V	108					
Lewis	10DP719	VT2P,B	AC,P2	110					
Lewis	10DP747	VT2P,B	AC,P5V	110					
Lewis	R1511SS	STX,B	AC,P5V	111					
LG Seeds	LG5525VT2RIB	VT2P,B	AC,P5V	105					
LG Seeds	LG58C77VT2PRO	VT2P	AC,P5V	108					
LG Seeds	LG59C66VT2PRO	VT2P	AC,P5V	109					
NK Brand	NK0821-3120A-EZR	3120,A,B	AVC,C5,Vi	108					
NuTech/G2 Gen	5F-308	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5FB-1010	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	5FB-9909	AM,B	CM,C2,R,Lu	109					
NuTech/G2 Gen	5FN-8808	OI	MQ,P1V,R	108					
Pfister	66Y3PE	PC,E	CM,C5,Vi,In	106					
Pfister	68A1PE	PC,E	CM,C5,Vi,In	108					
Pfister	69E2SSR	STX,B	CM,C5,Vi,In	109					
Pfister	69H1PE	PC,E	CM,C5,Vi,In	109					
Pioneer	P0825AMXT GC	AMXT,B	MQ,P1V,R	108					
Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V,R	111					
ProHarvest	6828StaxRIB	STX,B	AC,P5V	107					
ProHarvest	8015VT2PRIB	VT2P,B	AC,P2	110					
Renk	RK763VT2P	VT2P,B	AC,P2	108					
Renk	RK779SSTX	STX	AC,P5V	108					
Renk	RK815SSTX	STX,B	AC,P2	110					
Stone	5858RIB	STX,B	AC,P5V	108					
Titan Pro	82-09 2P	VT2P,B	AC,P2	109					
Wyffels	W4196RIB	VT2P,B	AC,P5V	105					
Wyffels	W5518	STX	AC,P5V	109					
Wyffels	W5626	VT2P	AC,P5V	108					
Wyffels	W6408	STX	AC,P5V	110					

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Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Dekalb	DKC64-34RIB GC	STX,B	AC,P5V	114	Stone	6188RIB	STX,B	AC,P5V	111
Dekalb	DKC64-87RIB GC	STX,B	AC,P5V	114	Stone	6368RIB	STX,B	AC,P5V	113
Dyna-Gro	D52SS63	STX	AC,P5V	112	Stone	6468RIB	STX,B	AC,P5V	114
Dyna-Gro	D54VC52	VT2P	AC,P5V	114	Stone	6628RIB	STX,B	AC,P5V	116
FS InVISION	FS 62ZX1 RIB	STX,B	AC,P5V	112	Titan Pro	82-14 2P	VT2P,B	AC,P2	114
FS InVISION	FS 63ZX1 RIB	STX,B	AC,P5V	113	Wyffels	W6898RIB	STX,B	AC,P5V	112
FS InVISION	FS 64RL0 EZR	3120,B	CM,C2,Vi	114	Wyffels	W6956	VT2P	AC,P5V	111
FS InVISION	FS 64SX1 RIB	STX,B	AC,P5V	114	Wyffels	W7578RIB	STX,B	AC,P5V	113
Golden Harvest	G12W66-3122-EZR	3122,B	AVC,C5,Vi	112	Wyffels	W7888RIB	STX,B	AC,P5V	114
Golden Harvest	G13T41-3010	3010	AVC,C5,Vi	113					
Golden Harvest	G13Z50-3110	3110	AVC,C5,Vi	113					
Golden Harvest	G15L32-3000GT	3000GT	AVC,C5,Vi	115					
Great Heart	HT-7244VT2PRIB	VT2P,B	AC,P5V	112					
Great Heart	HT-7302VT2PRIB	VT2P,B	AC,P5V	113					
Great Heart	HT-7486SSRIB	STX,B	AC,P5V	114					
Hefty	H6214SSRIB	STX,B	HC	112					
Hefty	H6223	VT2P,DG	HC	112					
Hefty	HCEXP11322	VT2P	HC	112					
Lewis	11SS768	STX,B	AC,P5V	111					
Lewis	14SS857	STX,B	AC,P5V	114					
Lewis	15SS899	STX,B	AC,P5V	115					
Lewis	R1414SS	STX,B	AC,P5V	114					
LG Seeds	LG5606STXRIB	STX,B	AC,P5V	111					
LG Seeds	LG5643VT2RIB	VT2P,B	AC,P5V	114					
LG Seeds	LG5650STXRIB	STX,B	AC,P5V	115					
LG Seeds	LG62C02VT2PRO	VT2P	AC,P5V	112					
NK Brand	NK1284-3122-EZR	3122,B	AVC,C5,Vi	112					
NK Brand	NK1573-3110	3110	AVC,C5,Vi	115					
NuTech	5NN-8812	3000GT	CM,C2,R,Lu,l	112					
NuTech/G2 Gen	5F-713	AM,B	MQ,P5V,R	113					
NuTech/G2 Gen	5FB-6313	AM,B	CM,C2,R,Lu	113					
NuTech/G2 Gen	5FN-2213	OI	MQ,P5V,R	113					
NuTech/G2 Gen	5LB-7215	AMXT,B	CM,C2,R,Lu	115					
Pfister	2874PCR	PC,B	CM,C5,Vi,ln	113					
Pfister	71C1PCR	PC,B	CM,C5,Vi,ln	111					
Pfister	72C6SSR	STX,B	CM,C5,Vi,ln	112					
Pfister	74D2PE	PC,E	CM,C5,Vi,ln	114					
Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V,R	111					
Pioneer	P1366AMXT GC	AMXT,B	MQ,P1V,R	113					
ProHarvest	8147StaxRIB	STX,B	AC,P5V	111					
ProHarvest	8324VT2PRIB	VT2P,B	AC,P2	113					
Renk	RK842SSTX	STX	AC,P5V	112					
Renk	RK871VT2P	VT2P,B	AC,P2	111					
Renk	RK937SSTX	STX	AC,P5V	113					
Renk	RK945DGV2P	VT2P,DG	AC,P2	115					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Phoenix® brand seed is distributed by Advanta Seeds. Power Plus® brand seed is distributed by Burrus. Innotech™ and Phoenix® are trademarks of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.
CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.

Corn Technologies*

3000GT	Agrisure® 3000GT (CB,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
3010	Agrisure® 3010 (CB,LL,GT)	GT	Agrisure® GT
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3120	Agrisure® 3120 (CB,HX,LL,GT)	LL	LibertyLink®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	None	conventional corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
A	Agrisure® Artesian®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RW	Agrisure® Rootworm
AQ	Optimum® AQUAMax®	STX	SmartStax® (VT3P,HXT,RR2,LL)
B	Refuge blend product	VT2P	Genuity® VT Double PRO®
CB	Agrisure® Corn Borer	VT3P	Genuity® VT Triple PRO®
DG	Genuity® DroughtGard®	YGCB	YieldGard® Corn Borer

* The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

?	information not provided	Lu	Lumivia™
A	Allegiance®	M	Maxim XL®
AC	Acceleron® fungicide products	MQ	Maxim Quattro®
AL2500	Alert 2500	None	untreated
At	Actellic®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Sa	Sativa™
CE	Cruiser Extreme®	Se	Sebring™
CM	CruiserMaxx® Corn	Sn	Senator™
D	Dynasty®	Sp	Spirato™
Es	Escalate®	SC	SHIELDCoat™
HC	Hefty Complete	V	Votivo®
In	Intego™ Solo	Vi	Vibrance®
L	Lorsban®		

** Seed treatments may include unspecified plant health promoting components.